AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method to release a Label Switched Path established between linked routers of a telecommunication network via a Path_Tear Message, the method comprising:

linking said routers in cascade according to a main path; ;

linking said routers in another order according to at least one detour path; and

releasing at least some of the linked routers via said Path_Tear Message,

wherein said Path_Tear Message comprises ~~information and~~ a tag indicating, to the router receiving said Path_Tear Message, which of Label Switched Paths available to the receiving router are to be released ~~whether said Path_Tear Message should be forwarded towards a downstream-located router without waiting for a predetermined timeout period~~.

2. (previously presented): The release method according to claim 1, wherein said Path_Tear Message is received, in the receiving router, via said detour path linking an upstream-located router to said receiving router.

3. (previously presented): The release method according to claim 1, wherein said tag further indicates through which of said main path or said detour path or both, starting from the receiving router, said Path_Tear Message should be forwarded towards said downstream-located router.

4. (previously presented): The release method according to claim 1, wherein said releasing comprises releasing the Label Switched Paths arriving at a receiving router from upstream-located routers via said main path and via said detour path linking said upstream-located routers and said receiving router.

5. (previously presented): A method to release a Label Switched Path established between linked routers of a telecommunication network via a Path_Tear Message, the method comprising:

linking said routers in cascade according to a main path;

linking said routers in another order according to at least one detour path; and

relating at least some of the linked routers via said Path_Tear Message,

wherein said Path_Tear Message comprises a tag indicating which of Label Switched Paths to release and wherein said releasing comprises releasing each Label Switched Path indicated by said tag.

6. (previously presented): The release method according to claim 5, wherein said tag is a Sender Template.

7. (currently amended): A telecommunication network comprising:

a plurality of routers; and

a plurality of links interconnecting the plurality of routers, where Label Switched Paths are established using said plurality of links,

wherein said routers are linked in cascade according to a main path and are linked in

another order according to at least one detour path,

wherein said routers transmit a Path_Tear Message towards downstream-located routers,

said Path_Tear Message indicating which ~~that a~~ Label Switched Paths ~~Path has~~ have to be

released,

wherein the router transmitting said Path_Tear Message adds to said Path-Tear Message

~~information and~~ a tag indicating, to the router receiving said Path_Tear Message, which of the

Label Switched Paths available to the receiving router are to be released ~~whether said Path Tear~~

~~Message should be forwarded towards a downstream-located router without waiting a~~

~~predetermined timeout period~~,

wherein the receiving router detects said tag in said received Path_Tear Message, releases

each Label Switched Path indicated by said tag, and, according to said tag, forwards said

Path_Tear Message towards said downstream-located router ~~without waiting the predetermined~~

~~period of time~~.

8. (currently amended): The telecommunication network according to claim 7, wherein

said tag further indicates through which path said Path_Tear Message should be forwarded

downstream, and wherein, according to said tag, said receiving router forwards said Path_Tear

Message towards said downstream-located router through said Main Path or through said Detour

Path or through both without waiting for a timeout ~~the predetermined period of time~~.

9. (previously presented): The telecommunication network according to claim 7, wherein

said receiving router is adapted to release the Label Switched Paths arriving at said receiving

router from upstream-located routers via said main path and via said detour path linking said

upstream-located routers and said receiving router.

10. (currently amended): The telecommunication network according to claim 7, wherein

said tag further indicates to the receiving router which of said Label Switched Paths (LSPs)

comprising a main path and at least one detour path is are to be released, and wherein said

receiving router releases each Label Switched Path indicated by said tag without waiting for the

predetermined period of time a timeout.

11. (currently amended): The telecommunication network according to claim 7, wherein

said receiving router transmits, towards an upstreama downstream-located router, a

Reserved_Tear Message including a said tag,

    wherein said upstreamdownstream-located router transmits said Reserved_Tear Message

towards a downstream-located router, and

    wherein said downstream-located router immediately generates a Path_Tear Message

including said tag, and forwards said Path_Tear Message towards another downstream-located

router without waiting for a timeout the predetermined period of time.

12. (previously presented): The telecommunication network according to claim 7,

wherein both said main path and at least one detour path arrive at said receiving router.

13. (previously presented): The telecommunication network according to claim 7,

wherein said telecommunication network is a Multi-Protocol Label Switching

telecommunication network.

14. (currently amended): The telecommunication network comprising:

the routers;

a plurality of links interconnecting said plurality of routers, where Label Switched Paths

are established using said plurality of links,

wherein said routers are linked in cascade according to the main path and are linked in

another order according to at least one said detour path,

wherein said routers transmit the Path_Tear Message towards downstream-located

routers, said Path_Tear Message indicating that a Label Switched Path has to be released,

wherein the router transmitting said Path_Tear Message adds said tag and said

information to said Path_Tear Message, the tag indicating, to the router receiving said Path_Tear

Message, whether said Path_Tear Message should be forwarded towards a downstream-located

router ~~without waiting for the predetermined timeout period~~,

wherein the receiving router detects said tag in said received Path_Tear Message, releases

each Label Switched Path indicated by said tag, and, according to said tag, forwards said

Path_Tear Message towards said downstream-located router, and

wherein said routers operate according to the release method mentioned in claim 1.

15. (currently amended): The release method according to claim 1, wherein said releasing comprises releasing without waiting for ~~the predetermined~~ a timeout ~~period~~, each Label Switched Path indicated by said tag.

16. (currently amended): A system for releasing a Label Switched Path established between linked routers of a telecommunication network via a Path_Tear Message, the system comprising:

a plurality of routers;

a plurality of links linking said routers to form a main path and linking said routers in another order to form at least one detour path;

a release module which releases at least some of the linked routers via said Path_Tear Message,

wherein said Path_Tear Message comprises ~~information and~~ a tag indicating, to the router receiving said Path_Tear Message, whether said Path_Tear Message should be forwarded towards a downstream-located router and indicating which of Label Switched Paths available to the receiving router should be released ~~without waiting for a predetermined timeout period~~.

17. (currently amended): The system according to claim 16, wherein ~~the tag further indicates which of Label Switched Paths to release and wherein~~ the releasing module releases each LSP indicated in the tag without waiting for ~~the predetermined~~ a timeout ~~period~~.

18. (currently amended): The release method according to claim 1, wherein the tag indicates which paths out of the main path and the detour path and wherein the Path_Tear

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Message is received only via one of the main path and the detour path and is forwarded

downstream without waiting for ~~the predetermined~~ a timeout ~~period~~.

19. (currently amended): The release method according to claim 1, wherein a receiving

router is linked to other routers via the main path and via the detour path and wherein, when the

receiving router receives the Path_Tear Message via only one of the main path and the detour

path, the receiving router forwards the received Path_Tear Message downstream without waiting

~~the predetermined~~ for a timeout ~~period~~.